

SEQUENCE LISTING

<110> Roninson, Igor Dokmanovic, Milos Chang, Bey-Dih

<120> REAGENTS AND METHODS FOR IDENTIFYING AND MODULATING EXPRESSION OF GENES REGULATED BY RETINOID

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<151> 2000-05-26

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<170> PatentIn version 3.0

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| tgcaaggtct gcagcctgag atcagaccac atagttaga cgccacctc agaccacaag | 300 |
| gcggccaccc cagcaagttg tcaggctggt gttgttggtt gctggggctg tgacatgcag | 360 |
| cattgtcttc tgagagcttg tcttcaacca gctggagaga tgttggtccg tcaagccgct | 420 |
| tagctctgct cagctacca cacagcctgc agcaccgggt cttctggtc acctcatga | 480 |
| ggctgggccc tccatcccag tttgtttgct tctgttgaag attcaggttc ctgtcccctc | 540 |
| cctcagctac ctgaataatg tacatctcct gaatcccgcc ttctcctcaa tgacagtttc | 600 |
| ctattgtctg ttgttctttc tctaagccaa gacatttaat ccgtcccaag gtatttttac | 660 |
| aaactgctct cccagtgca tcccttaaaa gctgctgtgt tccagatttc catgcttaat | 720 |
| ttaccactg ggagctgcag ctactgcca ctgccagca tcgcaagaga gtatcataac | 780 |
| cttatatcac tgtcctgggg aaacagcaaa ggtcaaatta tgttttctac caaatgcgtg | 840 |
| tcacttttgc accatcataa agtaaaaaaa aatcttaagt cggacctcag ttaaatcgaa | 900 |
| agctgtctgt acccatatcc agctaactct tggacatttt caagtacgtc tgacatggga | 960 |
| tctcaaacaa agtctgctca tagccagagt gaactcattc cttccccca aaccatatct | 1020 |
| tcttccgagt tccctgtatg cataactacc cacattgccc aagccaggag cttgagcatc | 1080 |

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agcctcaatt ctccccctcta attcaccgca ctctaattcc tgaggattct acgtcctaaa 1140
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<210> 9
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<212> DNA
<213> Homo sapiens

<220>
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<223> Retinal oxidase promoter NCBI acc. number AF010260

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ttagacacg tgaaatggtg ttgcggctga ctaaaaggat gtgtatgtgt gtttttgaag 360
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ttgctgtatt ttccaagttt tttttttaag tttccaaga tgttttacat ctctgttctt 780
atctaccaga taaactttgt ggtagttac tggataaact gtaaatagtg ataaaatttt 840

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| | |
|---|------|
| taagtttata tcaagatagc acttcattttt aaaaccagta attattaggt tgggtgcaaaa | 900 |
| ttaattgcag ttgttgccat tggaagtgat ggtaaaaacc gcaattactt ttgcaccaac | 960 |
| cttatatttc taaaagatca agttgtaaac ctatttgttt tccctaagat ccgctcttgc | 1020 |
| agagttccaa taaatatgat tgtttacact taagagtcca ggactacagc aggcttggtt | 1080 |
| ggaggggagt tactaatggt cccagactta aatccagctg gaacaccacc taaaatatgc | 1140 |
| agtaacataa gaccatcaaa agcaatgtcc caggacttac aatgtttgct aagacgcaag | 1200 |
| aggggtgtgac acagacgcta agcgccactg gcgaggagat gaaggggtcg tcttcatctt | 1260 |
| cgccggatga tttccgcca catagagggc gccagtgcg cccacacacg tgctgggtgc | 1320 |
| ccgggaagag ttcttgcaa agagctcagg taacgttgga tcttaattca aggttttctc | 1380 |
| cgttcggggt ggatgggttg gtactttagg ctccagcaag ccccgcccca ctcggcgggt | 1440 |
| cggtgccgcc ggggtcccagg tgcccgtac ttcccagaac ctccgcctcc cgctccgggc | 1500 |
| cctcgaacca | 1510 |

<210> 10
 <211> 1954
 <212> DNA
 <213> Homo sapiens

 <220>
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 <223> Bene promoter NCBI acc. number AP001234.3

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| gaaccaaggg ggaaatggag caggaagcct ggccccctctg agtcatggta aagtcacatc | 180 |
| cgattgttag gaaattcaag gggttgaaaa gcatgggcaa ggacttcatg tctaaaacac | 240 |
| caaaagcatc agcaacaaaa gccaaaattg agaaatggga tctaattaaa ctaaagagct | 300 |
| tctgcacagc aaaagaaaca accatcagag tgaacaggca acctacagaa tgggagaaaa | 360 |
| tttttgcaat ctacccatct gacaaagggc taatatccag aatctacaaa gaacttaaac | 420 |
| aaattttcaa gaaaaaatc aaacaacccc atcaaaaagt gggatgaagga tatgaacaga | 480 |
| cactttctca aagatgacat ttatgcagcc aacagacaca tgaaaaaatg ctcatcatca | 540 |
| ctggccatca gagaaatgca aatcaaaacc ataatgagat accatctcac accagttaga | 600 |
| atgggtgatca ttaaaaagtc aggaacaac aggtgctgga gaggatgtgg agaaatagga | 660 |
| acacttttac actgttggtg ggactgtaaa ctagttcaac cattgtgaaa gacagtgtgg | 720 |

| | | | | | | |
|-------------|------------|------------|-------------|------------|-------------|------|
| cgattcctca | aggattgaga | actagaaata | ccatttgacc | cagccatccc | gttactgggg | 780 |
| atatacccaa | aggattataa | atcatgctgc | tataaagaca | catgcacacg | tatgtttatt | 840 |
| gttgactat | tcacaatagc | aaagacttgg | aaccaaccca | aatgtccaac | aatgatagac | 900 |
| tggattaaga | aaatgtggca | catatacacc | gtggaatact | atgcagccat | aaaaaatgat | 960 |
| gagttcacgt | cctttgtagg | gacatggatg | aaactggaaa | ccatcattct | gagcaaaacta | 1020 |
| ttgcaaggac | agaaaaccaa | acactgcatg | ttctgactca | tagatgggaa | ttgaacaatg | 1080 |
| agaacacttg | gacacagtgt | ggggaacacc | acacaccagg | gcctgttgtg | gggtaggggg | 1140 |
| agggggggagg | gatagcatta | ggagatatac | ctaagtataa | tgaggagtta | atgggtgcag | 1200 |
| cacaccaaca | tggcacatgt | atacacatga | aacaaacctg | cactttgtgc | acatgtatcc | 1260 |
| tagaacttaa | agtataataa | aaaaataaaa | taaaataaat | aaaaataaaa | aaaagaaatt | 1320 |
| caagggttta | atgcagaaat | cgtgaacaga | gggactctcg | accaactctg | gcctgtgaat | 1380 |
| atgtcttggt | ggctcaagca | gtattggcat | atacactttt | aaacaattct | gaataagttg | 1440 |
| ccaacattta | aaacaggata | tttcacatgg | aaaatccata | aattcgggta | tattgcttag | 1500 |
| tatatacgtc | tttggcacgc | gattgaaacg | cgctaattgc | atcagcctat | ctttctatgc | 1560 |
| aagaatgcaa | gaaaaattga | tgtgatgtgc | cttatcacia | ttcattacct | cctatttctt | 1620 |
| ctgcagcaac | aagtttctct | gattataaag | gtcttttagcg | tgagaggtac | aggtgttatg | 1680 |
| gcacgtgcga | ataagggcag | aaattaatca | aattttatcaa | ctatttggcg | atgggtcgag | 1740 |
| acaggtatag | aaccactact | aggtgatatt | gaggcttttg | tacaatttat | agcaagtttt | 1800 |
| tgagagtccc | ttcaagtttg | ttacataatc | ttctttgtgc | aacgtacaag | agcaaagtag | 1860 |
| aaaaatttgg | tttttatttt | tttaagcaac | atcagctgca | ctagttgagc | ttttgacaag | 1920 |
| acatactgct | caaaaaatct | tcataacatt | at | | | 1954 |

<210> 11
 <211> 1520
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> HIF-2alpha/ EPAS promoter NCBI acc. number NT_005065.3

| | | |
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| cgtccccctgt | cctctcccca | gatgtccctt ccccatcgcc ggtagcgagt gggagacagc 120 |
| tcagcgcggg | gcagggggagc | actgggcccc gagatggaag gcagcggtcaa aagcgccgct 180 |

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 ctctgccgca tccccgcaa aaccaaaccg cctggcaca ggcggttaagc aaccaccctg 480
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<210> 12
 <211> 1469
 <212> DNA
 <213> Homo sapiens

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 <223> Selectin promoter NCBI acc. number AL021940.1

<400> 12
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<210> 13
<211> 1490
<212> DNA
<213> Homo sapiens

<220>
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<223> Ring finger protein RNF promoter acc. number AP000518.1

<400> 13

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| aaacaaacaa aaagaaaggt ctggaggtat aacatttctg aaagtctttg gtttacagca | 180 |
| gttgctataa ggggagccac ataatttata gtccaaactg gacatttctg aaagtgaaag | 240 |
| gaggtgctat taataattac accaggacaa agtgaaaccc aggatgggtc caggcaaagc | 300 |
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| gctctaccaa ggcttgaact ttgcatacaa gatgcccacaa gcattgcagt gaactggctg | 1020 |
| tgacctttca gtaggcacaa ccacccaccc ctccactccc tactcagagc tgattgggaa | 1080 |
| atcccccata agtgggtgttt ggtgccccgg tcattctgat tttagtcaac caccatacaa | 1140 |
| acataccttt agtccaaagt tcaggacaaac ttatttctact ttataagcag cctattacac | 1200 |
| attcaaagta tccatttggt ctcaagaggt agcaaggtag gactgcccac ctgttttccct | 1260 |
| ctctttataa tattttctag atcctaaatt ttacgctttt ctatcattta tttttttctc | 1320 |
| cctcttcttt tcctctctct ctgtcttctt aactaattgg cagaatctct gacctccact | 1380 |
| ttctctgact cccttctccc ttcttagaaa cagtatccac agtggactcc ggggctccta | 1440 |
| cagacttggc acagcttccct acagtcttga aacagccctg ttgttctgtc | 1490 |

<210> 14
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 <223> Sense primer for IGFBP-3

<400> 14
ttgcacaaaa gactgccaag 20

<210> 15
<211> 20
<212> DNA
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<400> 15
catgaagtct gggtgctgtg 20

<210> 16
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<223> Sense primer for Mac-2 BP

<400> 16
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<210> 17
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<220>
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<223> Antisense primer for Mac-2 BP

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<210> 18
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<400> 22
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<210> 23
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<213> Homo sapiens
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 <223> Antisense primer for FAT 10

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 <400> 26
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<223> Antisense primer for T cell receptor gamma

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<210> 28

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<223> Antisense primer for P28 alpha

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<210> 30

<211> 20

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Sense primer for Retinal oxidase

<400> 30

gtggtggaca tcatgacagc

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<210> 31

<211> 20

<212> DNA

<213> Homo sapiens

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<223> Antisense primer for Retinal oxidase

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<210> 33
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<210> 34
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<210> 35
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<210> 36

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